

WHAT IS CLAIMED IS:

1. An arrow remover comprising:
 - a main body sized for grasping within the palm and fingers of a users hand, the main body having a substantially flat front surface;
 - 5 first and second cams rotatably mounted to the front surface, the cams rotatable from a closed position through an intermediate position to an open position, the open position providing adequate separation between the cams to receive an arrow shaft positioned substantially flat upon the front surface, the intermediate position frictionally engaging the inserted arrow shaft and the closed position providing no greater separation between the cams than a shaft diameter of the smallest shaft arrow intended for use.
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2. An arrow remover as defined in claim 1 further comprising means for resiliently urging the first cam and second cam to the closed position.
3. An arrow remover as defined in claim 1 wherein the main body incorporates finger cutouts on a first edge substantially perpendicular to an axis parallel to an arrow shaft received between the cams.
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4. An arrow remover as defined in claim 1 further comprising a pliable strip inlaid into the front surface intermediate the first and second cams along an axis parallel to an arrow shaft received between the cams to avoid marring of the arrow shaft.
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5. An arrow remover as defined in claim 1 wherein a circumferential surface of each cam includes means for enhancing the friction coefficient for engagement between the cam and arrow shaft.
6. An arrow remover as defined in claim 5 wherein the friction coefficient enhancing means is pliable to avoid marring of the arrow shaft.
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7. An arrow remover as defined in claim 1 wherein the first and second cams are substantially circular and each cam is mounted to the main body with an off-center axle.
8. An arrow remover as defined in claim 7 wherein the first and second cams each have a pin extending substantially parallel to the axle and diametrically aligned
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therewith, and the main body further including a relief receiving the pin from each cam, the cams rotatable from a closed position through an intermediate position to an open position, the open position providing adequate separation between the cams to receive an arrow shaft positioned substantially flat upon the front surface, the

- 5 intermediate position frictionally engaging the inserted arrow shaft and the closed position placing a circumferential surface of each cam in tangential contact with the arrow shaft and further comprising:

a spring engaging the pin from each cam within the relief to resiliently urge the pins from a first displaced position corresponding to the open position of the first
10 and second cams to a second proximate position corresponding to the closed position of the first and second cams.

9. An arrow remover as defined in claim 1 further comprising a depression on a side of the main body to engage an arrow tip extending through a target and a pressure surface on the main body opposite the side containing the depression to allow the
15 arrow tip engaged in the depression to be pressed into the target.

10. An arrow remover as defined in claim 7 wherein each off-center axle incorporates a lever extending substantially perpendicular from the axle distal the cam, and the main body includes a bore to receive each off-center axle and a semi-circular relief extending from the bore to receive the lever, and further comprising a
20 spring engaged within the relief to resiliently urge the lever from a first position corresponding to the open position of the first and second cams to a second position corresponding to the closed position of the first and second cams.

11. An arrow remover comprising:
a main body sized for grasping within the palm and fingers of a users hand, the
25 main body having a substantially flat front surface;

first and second substantially circular cams rotatably mounted to the front surface, each cam having an off-center axle engaged in a bore in the front surface, a pin extending substantially parallel to the axle and diametrically aligned therewith, and the main body further including a relief receiving the pin from each cam, the
30 cams rotatable from a closed position through an intermediate position to an open

position, the open position providing adequate separation between the cams to receive an arrow shaft positioned substantially flat upon the front surface, the intermediate position frictionally engaging the inserted arrow shaft and the closed position placing a circumferential surface of each cam in tangential contact, a circumferential surface

- 5 of each cam including a pliable means for enhancing the friction coefficient for engagement between the cam and arrow shaft to avoid marring of the shaft;

10 a spring engaged within the relief to resiliently urge the pins from a first displaced position corresponding to the open position of the first and second cams to a second proximate position corresponding to the closed position of the first and second cams;

15 the main body further incorporating finger cutouts on a first edge substantially perpendicular to an axis parallel to an arrow shaft received between the cams and having a pliable strip inlaid into the front surface intermediate the first and second cams along an axis parallel to the arrow shaft received between the cams to further avoid marring of the arrow shaft; and,

a side of the main body further containing a depression to engage an arrow tip extending through a target and a pressure surface on the main body opposite the side containing the depression to allow the arrow tip engaged in the depression to be pressed into the target

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